



# The Raleigh Amateur Radio Society's **EXCITER**

## GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 p.m. in place of the RARS net.
- RARS meets for a monthly dinner on the First Tuesday of each month.

## 2014 PUBLIC SERVICE EVENTS

**Velo4Yellow:** July 19

**Cup 'n' Cone Tour:** July 26

**Tour D'Orange:** Aug. 2

**Bikefest:** 2014: Aug. 9

**Blue Ridge Breakaway:** Aug. 16

**Bike MS New Bern:** Sep. 6-7

**Aptalis CF Cycle for Life:** Oct. 11

**PPD Beach 2 Battleship Triathlon:** Oct. 25

Interested in helping? Visit <http://www.rars.org/public-service.php> for more information.

## RARS General Meeting

**Topic:** "Wireless Research Center and Antenna Design" by Gerard Hayes, KE4QBT

**Date:** Tuesday, July 8, 2014

**Time:** Meeting at 7:30 p.m.

*Informal gathering and refreshments from 7-7:30*

**Where:** Ridge Road Baptist Church, 2011 Ridge Rd., Raleigh

## Maker Faire North Carolina 2014

*By Karl Bowman W4CHX  
ARRL NC Section Manager*

On Saturday, June 7, four amateur radio clubs from the Piedmont region, along with the NC Section, sponsored a booth on amateur radio at Maker Faire North Carolina in Raleigh.

The hams working in the booth introduced amateur radio to the attendees who were interested, like most hams, in technology and do-it-yourself (DIY) projects.

It was hoped that this would result in more individuals becoming interested in amateur radio and obtaining a Technician class license.

This year, at least 5,200 individuals attended Maker Faire North Carolina. Many attendees stopped by the amateur radio booth, including more than 60 licensed amateur radio operators (see graphic above).

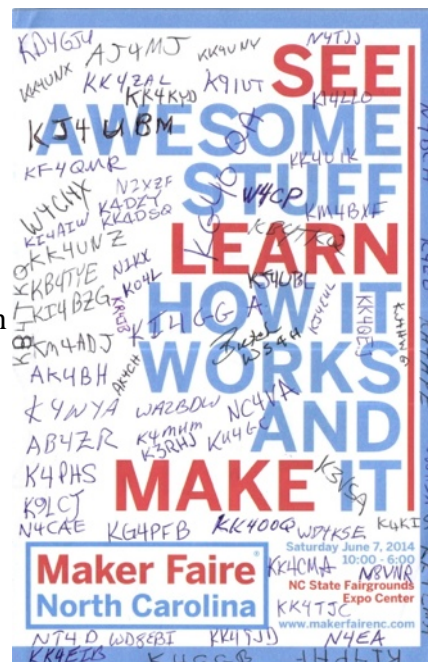


Image courtesy of Karl Bowman, W4CHX

*Program cover from Maker Faire North Carolina 2014 with the call signs of amateur radio operators who attended the event.*

See **Maker Faire**, p. 6

## RARS Officers

### PRESIDENT

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### VICE PRESIDENT

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## The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website ([www.rars.org](http://www.rars.org)).



## *Exciter*

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at [www.rars.org](http://www.rars.org). Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Cathy Downs, KA3QPU, editor ([editor@rars.org](mailto:editor@rars.org))

## For Your Information

### RARS General Meeting

**Date:** **Second** Tuesday of each month

**Location:** Ridge Road Baptist Church

2011 Ridge Road  
Raleigh, NC, 27607

**Time:** People begin arriving at 7 p.m.  
The meeting officially begins at  
7:30 p.m.

### RARS Monthly Dinner

Join us on the **first** Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family. Feel free to bring your little ones! Dinner begins at 6:30 p.m.

Listen to the nightly RARS net and check [www.rars.org](http://www.rars.org) for details on the next dinner's location.

### RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

### VE Testing

The RARS VEs will accept walk-in testing in May, August and November (location to be announced); the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, your \$14 exam fee, and any CSCEs you have for credit. Visit [www.rars.org](http://www.rars.org) for more information.

## Message from the President

Hello to all!

Happy July! Around town it is easy enough to get connected with the ham community. Thanks to the efforts of Gary Pearce, KN4AQ, the RARS website maintains a free list of repeaters, which you can review at <http://rars.org/repeater/tript.htm>.

But what about when we travel outside of Raleigh? Finding the repeaters on-the-fly is not as easy. Sure, some of you plan out your trip, right down to programming the local repeaters. I am not one of the aforementioned "some."

But I have the next best thing. I am a member of ARRL, and I own a phone that uses the Android operating system. That makes me one of the "some" who can download and carry the current ARRL repeater directory. Now finding repeaters on the trip is easy, too!

CJ

RARS president

## 2014 Meeting Topics

### Wireless Research Center & Antenna Design

Gerard Hayes, KE4QBT.....Jul 8

### Email without the Internet - Winlink 2000

Frank Pleshe N3FRP.....Aug. 12

### What is Electromagnetic Compatibility and Why is it Important?

Alan Knight AA4FU.....Sep. 9

**Elections; Presentation TBD**.....Nov. 11

**Holiday Party**.....Dec. 9

*Titles, topics, and speakers subject to change.  
More information will be added throughout the year when it becomes available.*

## Upcoming Amateur Radio Courses

By Murray Merner, K4MHM,  
RARS Education Director

Three more courses will be offered during 2014:

### General Course—3 days

Aug. 2, 9, 16 at NC State University

### Extra Course—5 days

Oct. 4, 11, 18, 25, Nov. 1

### Technician Course—3 days\* Nov. 15, 22, 29

\*The new ARRL Technician license manual will be used. Also, with Thanksgiving on Nov. 27, we may adjust and have the last session on Dec. 6.

Locations for the Extra and Technician courses have not yet been arranged. Times are usually 8:00 a.m. to 12:30 p.m.

An exam session is usually scheduled in the afternoon of the last course session. All details will be provided prior to the course start date.

If you're interested in upgrading your ticket or know someone who wants to join in the fun of amateur radio, please contact me at [mmmm0320@gmail.com](mailto:mmmm0320@gmail.com).

## 2014 Hamfests & Conventions

### 29th Annual Firecracker Hamfest | July 12

Location: Salisbury, NC

Website: <http://www.rowanars.org>

### Mid-Summer Swapfest | July 19

Location: Cary, NC

Website: <http://www.qsl.net/n4nc>

### Roanoke Hamfest 2014 | Aug. 2

Location: Vinton, VA

Website: <http://www.W4CA.us>

### 16th CFARS Swap Fest | Aug. 23

Location: Fayetteville, NC

Website: <http://www.cfarsnc.org/>

### N.C. State Convention (Shelby Hamfest) | Aug. 30

Location: Shelby, NC

Website: <http://www.shelbyhamfest.org>

### Virginia Section Convention (Virginia Beach Hamfest) | Sept. 6

Location: Virginia Beach, VA

Website: <http://vbhamfest.com>

[www.rars.org](http://www.rars.org)

## New RARS Members

Pam Lewis	KB4PAM
Sam Burgiss	KA4APE
Glenn Eaves	KA4GLN
Lisa Williams	No License
Dan Nagle	KI4ZBW

## July Birthdays

Stan	KC4JH	07/01
James	KE4DRN	07/03
Ben	AJ4NB	07/04
Brooks	K4BRX	07/05
Doug	K1DUG	07/06
Eugene	KD4YJX	07/06
Bill	N9JLP	07/06
Bill	N1ULP	07/08
Cathy	KA3QPU	07/09
John	AI4RT	07/10
Doug	AD4UL	07/14
Giff	KC4SAM	07/15
Jerry	WA1WHD	07/15
Bill	K4MWB	07/16
Lowell	K4EUP	07/17
Bob	K4RLC	07/19
Ferdinand	AD4RC	07/25
Charles	WB4DCM	07/26
Glenn	KS4VA	07/27
Meme	KE4NGM	07/28
William	K4CIA	07/28
Dave	W4YDY	07/29
Darryll	KJ4BJX	07/29
Bob	KI4YXM	07/30
Tim	W4TRB	07/30
Scott	KJ4TUC	07/30

### BEACHFEST 2014 | Nov. 8

Location: Conway, SC

Website: <http://www.w4gs.org>



## 2014 MS Ice Cream Ride—Saturday, June 21



*Able to leap tall buildings in a single bound...Able to stop speeding trains...it's superm...err...Santa disguised as Ice Cream Ride event organizer Larry Dean.*



*Top: Net Control Operator John Snellen AI4RT keeping the cars company in the parking garage.*

*Above: Whoa...whoa...where's the ice cream?*

The 2014 MS Ice Cream Ride was held on Saturday, June 21, in Morrisville. Fourteen ham volunteers provided communication and event safety for more than 200 cyclists participating in this fundraiser. All proceeds benefit the Muscular Sclerosis Society.

A big **thank you** to the ham volunteers who helped make this another safe Ham Public Service Event. The following hams participated:

Ray Albers (K2HYD), Mike Chappell (KK4ETZ), Mike Eckardt (KK4ETS), Lannie Goodwin (KK4QEF), Wade Gutreuter (KK4BVR), Barry Kinney (KK4NUN), Tom Magnani (K2UCU), Jay Royster (KI4REM), Dan Sears (KD4AGQ), Marisa Sears (KJ4TAL), Joe Sheets (KJ4LZM), Wally Smith (KJ4UKV), John Snellen (AI4RT) and John Stone (K3RHJ).

Photos courtesy of NC Ham Public Service



*Above: John Stone K3RHJ helping a rider in need.*

*Below: Mike Chappell KK4ETZ and John Stone K3RHJ discussing SAG strategy...or what's for lunch.*





The clubs participating in this year's event were Alamance Amateur Radio Club, Orange County Radio Amateurs, Raleigh Amateur Radio Society, and Triangle Amateur Television Association.

Thanks to Nathan Adams K4NYA, Karl Bowman W4CHX, John "Mark" Freeze WD4KSE, Raymond Lefrancois KK4OOQ, Tucker McGuire KK4UNZ, Murray Merner K4MHM, Curt Phillips W4CP, Christopher Tate KJ4UBL, Randy Tate KJ4UBM, and Raymond "Woody" Woodward K3VSA for their participation!



Image courtesy of Randy Tate, KJ4UBM  
Tucker McGuire, KK4UNZ (far left) and  
Christopher Tate, KJ4UBL (left) discuss FFC  
comprehensive frequency allocation  
chart with attendees.

Participants at Maker Faire North Carolina 2014. Left to right: Randy Tate KJ4UBM, Karl Bowman W4CHX, Raymond "Woody" Woodward K3VSA, Tucker McGuire KK4UNZ, Christopher Tate KJ4UBL, Nathan Adams K4NYA, and Curt Phillips W4CP (Not pictured: John "Mark" Freeze WD4KSE, Raymond Lefrancois KK4OOQ, Murray Merner K4MHM, Randy Tate KJ4UBM).

Image courtesy of Randy Tate, KJ4UBM



Image courtesy of Randy Tate, KJ4UBM  
NC Amateur Radio booth at Maker Faire North  
Carolina 2014.



## 2013 Field Day—Saturday, June 22-23, 2013

At long last, here are photos from RARS' 2013 Field Day. If you have photos from this year's event, please send them to [editor@rars.org](mailto:editor@rars.org) for inclusion in a future issue of the *Exciter*.



*Ken McEwen KI4OTO enjoys a soda in the shade.*



*Jeff KC4ZO and Bobbie KD4ZVW Wittich operate the GOTA (Get on the Air) station.*



*John Snellen AI4RT explains how he set up things in the information/welcome tent.*



*A Wake County Sheriff's deputy came by to officially start Field Day with the siren at 2:00 p.m. sharp. RARS received points for a visit from a public official. Others pictured include Karl Bowman W4CHX, Mike Murphy WA4BPJ, Ken Rudder WA4JJW, and Jim Carroll N4CAE. Many thanks go to Jim and Beth KF4QMR Carroll for allowing RARS to have Field Day on their property.*

# Minutes

## General Membership Meeting Raleigh Amateur Radio Society June 10, 2014

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1. **Call to order:** Tom N4TL called the meeting to order at 7:35 p.m. There were 53 people in attendance
2. **Guests:** Davis Maddox (no call sign), Russell Cole (no call sign), Dan N4EA, Glen KM4BJW, Stan WA2KQY, David W4DJK, Jimmy Crawford (no call sign) and Chuck KD5KA.
3. **Approval of minutes:** The Minutes of the RARS General Membership meeting on May 13, 2014 were approved.
4. **Secretary's report (Bob K4YXM):** no report
5. **Treasurer's report (Greg KE4PAX):** Greg KE4PAX reported that RARS has 350 members. Greg also reviewed our assets and summarized income and expenses to date. If anyone has any questions, please contact Greg KE4PAX or C.J. NC4CJ for further information. Greg passed out copies of the proposed 2014-2015 budget and reviewed the budget. The general membership approved the budget as presented.
6. **Door Prizes:** Winners were Joe N1LVN and Lisa KM4AMW.
7. **Announcements:**
  - a. **Upcoming RARS events and hamfests:** C.J. NC4CJ reminded everyone to see the *Exciter* or the ARRL website for further information
8. **Reports from RARS Board members and others:**
  - a. **Public Service:** John AI4RT asked people to review the schedule on the RARS website and sign up for events.
  - b. **Education:** Murray K4MHM Reviewed plans for upcoming General Class in August and an Extra Class in October followed by another Technician Class in November. He is working on establishing an "Elmers" list for new members.
  - c. **Maker Faire:** Karl W4CHX reported that the Ham radio participation in Maker Faire was a great success. There was too much electronic noise to have a special event station. He felt RARS should have a strong presence at future Maker Faires.
9. **Any other business:** None.
10. **Program:** Dennis NC4DK reviewed plans for Field Day meal schedules and Band Captains.
11. **Adjournment:** The meeting was adjourned at approximately 8:44 p.m.



# Minutes

## Board of Directors Meeting *Raleigh Amateur Radio Society* *April 16, 2014*

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**Present:** Karl W4CHX, Bob K4YXM, C.J. NC4CJ, Murray K4MHM, Hank K4HM, Greg KE4PAX, Tom N4TL, John AI4RT, Chuck K4HF, Don WA4AVU

**Guests:** Alan AB4OZ, Cliff W4FT, Selene KG4RMT

1. **Call to order (C. J. NC4CJ):** CJ NC4CJ called the meeting to order at 7:01 p.m.
2. **Approval of minutes (C.J. NC4CJ):** The Minutes of the previous Board Meeting (March 18, 2014) were approved with revisions.
3. **Vice President's report (Tom N4TL):** May speaker is confirmed. June program will be on Field Day.
4. **Treasurer's report (Greg KE4PAX):** RARS currently has 324 members. If any RARS member has questions regarding the budget, please contact Greg KE4PAX or C.J. NC4CJ for more information. Greg will need someone to present the proposed budget at the June meeting. A review of our past years activity is scheduled on the 1<sup>st</sup> of May. C.J. will present the budget at the June general membership meeting. Bob K4YXM will collect dues, in Greg's absence, at the June and July general membership meeting.
5. **Secretary's report (Bob K4YXM):** No report.
6. **Committee reports:**
  - a. **ARRL liaison (Chuck K4HF):** Chuck reported on ARRL centennial activities. Kay Craigie N3KN will be at RARSfest. Try to attend her presentation if possible. Virginia NC4VA will present a Skywarn program at RARSFest.
  - b. **Education (Murray K4MHM):** There were about 150 participants who have attended our courses this year. All books in inventory have been sold. Nine people in the last Technician class passed the test. A General class course will start on July 19<sup>th</sup>. An Extra Class course will be held in October. It is a five-class course. The Technician question pool will expire at the end of June. Murray will continue to investigate having courses at Wake Tech.
  - c. **Public service (John AI4RT):** Reviewed events that are scheduled for May and June.

- d. **RARSFest Chair (John AI4RT)**: Asked for people to volunteer at RARSFest this weekend.
  - e. **FM Repeater Chair (Karl W4CHX)**: Work on the “shack” at Bayleaf is complete.
  - f. **Exciter Chair (Cathy KA3QPU)**: Please send articles.
  - g. **Net Manager (Mary KG4OQA)**: No report.
  - h. **At-Large Director (Don WA4AVU)**: No report.
  - i. **At-Large Director (Jack N6UYB)**: No report.
  - j. **At-Large Director (Bill AK4BL)**: No report.
  - k. **W4DW/W4RNC Trustee (Jeff AC4ZO)**: One action. Jeff needs to up the file limit size for rars-l to 5 megabytes.
  - l. **RARS VE Coordinators (Joe WA4GIR and Liz KO4CK)**: No report.
  - m. **North Carolina QSO Party (Marty W4MY)**: No report.
  - n. **Food service chair (Joanne AK4RJ)**: No report.
7. **Old business:**
- a. Equipment list for insurance policy will be continued until after there is clarification of some ARRL insurance issues.
  - b. C.J. asked that board members review her job description and begin to create one for their position.
8. **New business:**
- a. Karl W4CHX made a presentation to the board on statewide amateur activity and issues.
9. **Any other business:** None
10. **Board members’ comments:** None
11. **Adjournment (C.J. NC4CJ)**: The meeting was adjourned at 10:29 p.m.

## ARRL Centennial Celebration Activities – JULY 17-19

For information on the W1AW Centennial QSO Party, click [here](#). For information on the ARRL National Centennial Convention, including youth activities and presentations, click [here](#).



# Minutes

## Board of Directors Meeting Raleigh Amateur Radio Society May 20, 2014

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**Present:** C.J. NC4CJ, Murray K4MHM, Greg KE4PAX, John AI4RT, Chuck K4HF

**Guests:** Charles KM4AMT

1. **Call to order (C. J. NC4CJ):** CJ NC4CJ called the meeting to order at 7:08 PM. It was noted that there was not a quorum and so no official action could be taken.
2. **Approval of minutes (C.J. NC4CJ):** The Minutes of the previous Board Meeting (April 16, 2014) could not be approved without a quorum.
3. **Vice President's report (Tom N4TL):** No Report.
4. **Treasurer's report (Greg KE4PAX):** RARS currently has 349 members including 18 complementary memberships. We need to re-schedule the financial review. Greg reviewed the current fiscal status of RARS. If any RARS member has questions regarding the budget, please contact Greg KE4PAX or C.J. NC4CJ for more information. It was noted that some members wish to receive hard copies of the *Exciter*. ACTION: C.J. NC4CJ will provide this service to the requesting members as identified by Greg KE4PAX.
5. **Secretary's report (Bob K4YXM):** No report.
6. **Committee reports:**
  - a. **ARRL liaison Chuck K4HF:** There is a big push is for the centennial celebration in Hartford, CT. Chuck noted that RARS is a special service club as opposed to a regular club.
  - b. **Education Murray K4MHM.** Nine people in the last Technician class passed the test. A General class course will start on August 2<sup>nd</sup>, 9<sup>th</sup> 16<sup>th</sup>. An Extra Class course will be held in October. It is a five-class course. Murray is still working on an "Elmers" list.
  - c. **Public service (John AI4RT):** John reviewed events that are scheduled for May, June and July. The biggest is SONC, which is a two-day event. John has a special RARS list for Public Service Participants for communications regarding Public Service.
  - d. **RARSFest Chair (John AI4RT):** There was a discussion about when we should hold the Wouff Hong induction to increase attendance. John said that he will need more help with next year's event.
  - e. **FM Repeater Chair (Karl W4CHX):** No Report.
  - f. **Exciter Chair (Cathy KA3QPU):** Please send articles.

- g. **Net Manager (Mary KG4OQA):** No report.
- h. **At-Large Director (Don WA4AVU):** No report.
- i. **At-Large Director (Jack N6UYB):** No report.
- j. **At-Large Director (Bill AK4BL):** No report.
- k. **W4DW/W4RNC Trustee (Jeff AC4ZO):** No Report
- l. **RARS VE Coordinators (Joe WA4GIR and Liz KO4CK):** No report.
- m. **North Carolina QSO Party (Marty W4MY):** No report.
- n. **Food service chair (Joanne AK4RJ):** No report.
- o. **Public Information Officer.** Charles lead a discussion about how we think about the Public Information Officer board position, what the job description should be and what type of person they should be. Feeling was that the description should be a description of duties versus description of how to do it.

**7. Old business:**

- a. Budget discussion. It was noted that we had a larger profit from RARS fest this year. The only major change was the increase in the same day admission fees.
- b. Insurance for major assets. Greg reviewed what is covered for liability. We will get coverage for repeater equipment as it is installed and then determine what we should cover.

**8. New business:**

- a. Chuck noted that we need a new banner for Field Day and other public appearances. He felt we should be able to get one for less than \$100. Chuck also noted that we need to refurbish the old "Official" banner. Again for no more than \$100. No action was taken.
- b. Murray has put together a letter of introduction to new members. Intent was to have it available so it could be sent to new members and acquaint them with what is going on at RARS, what they can do to "get into the loop." Sort of a welcome aboard letter. Murray noted that we are a large club and presented a detailed suggestion on how we should reorganize our club to reflect this. It was felt that we needed to continue this discussion before making any recommendation to the club.
- c. Greg led a discussion of the proposed 2014-2015 budget that will be presented at the general meeting in June.

**9. Any other business:** None

**10. Board members' comments:** None.

**11. Adjournment (C.J. NC4CJ):** The meeting was adjourned at 9:54 p.m.



## LOCAL AMATEUR RADIO NETS

The **Apex Emergency Response Communications Net** meets weekly each Sunday at 9 p.m. on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints' disaster relief efforts. All stations are invited to participate in this net.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 p.m. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit [www.carolina440.net](http://www.carolina440.net).

Please join us each Tuesday at 9:15 p.m. on the 146.880 repeater for the **Central Carolina SKYWARN** net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at [www.centralcarolinaskywarn.net](http://www.centralcarolinaskywarn.net).

The **Ham Public Service Net** meets every Wednesday at 7:30 p.m. and provides a forum and discussion platform for area clubs and individual hams to connect with and learn from other local hams who are interested in Ham Public Service. The HPSN is utilizing the Carolina 440 UHF Link System. The repeaters are also accessible through IRLP Reflector 9210, node 4270. The Ham Public Service North Carolina Yahoo Groups address is: [www.groups.yahoo.com/group/hpsnc](http://www.groups.yahoo.com/group/hpsnc).

The **PCTN (Piedmont Costal Traffic Net)** meets daily at 9 p.m. on the 146.880 repeater. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 repeater at 8:00 p.m.

Join us every evening, except Saturdays, at 8 p.m. on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to [www.voipwx.net](http://www.voipwx.net).

The **Wake County AUXCOMM Training Net** meets Thursdays at 7:30 p.m. on the 146.88 repeater. This net provides amateur radio operators information and training related to emergency communications and for our served agencies, such as Wake County Emergency Management. Please join us. For more information please visit <http://wake.nc.auxcomm.us/>.



## Want to be a Published Writer?

Do you like building ham radio equipment? Have figured out a way to get an antenna up in a neighborhood with covenants and restrictions? Did you participate in a marathon or bike-a-thon? How about sharing your interests, knowledge, and experience with other hams in the *Exciter*? We need both technical and non-technical articles for the *Exciter*. Short or long, we'll consider just about anything amateur radio-related.

To submit an article, just email your piece to the Editor ([editor@rars.org](mailto:editor@rars.org)). Please feel free to attach any appropriate pictures or graphics. Be sure to include caption information about the images and identify the people in photographs. And always obtain their permission to use their image.

We look forward to promoting our hobby and sharing information! Break out those pens, pencils, or keyboards and get writing!



## RARS Classifieds

**RARS Members:** [Post](#) a new 30 day listing or [Edit](#) your current listings at [www.rars.org/classifieds.php](http://www.rars.org/classifieds.php). The items below were listed within the last 30 days.

### Two Dual Key Paddles, Brown Bros. and Wm. Nye Squeeze Paddle

Posted June 27th, 2014 by: K4HF  
Contact: [k4hf@arrl.net](mailto:k4hf@arrl.net)

These paddles are to be used with an external electronic keyer or used with a radio that has an internal electronic keyer. They are in excellent condition. Asking \$55 each. Contact me by E Mail, preferred, or (919) 872-6555.  
Thanks - Chuck

### Kenwood TM-281A 2 Meter Mobile Transceiver

Posted June 27th, 2014 by: K4HF  
Contact: [k4hf@arrl.net](mailto:k4hf@arrl.net)

This radio is like new condition, 65 Watts, with hand mike, manual and items that come new as part of the package. Programmed with the local frequencies. Asking \$125. Contact me by E Mail, preferred, or (919) 872-6555.  
Thanks - Chuck

### Several Motorola Items

Posted June 15th, 2014 by: W4ZWA  
Contact: [w4zwa@yahoo.com](mailto:w4zwa@yahoo.com)

- 1) Motorola Spectra VHF with speaker and desk mic \$50.00
  - 2) Motorola P110 VHF HT with charger, 8 channel \$25.00
  - 3) Motorola M100 UHF 2 channel \$20.00
  - 4) Motorola VHF Minitor III with charger (not sure what band-split as the tag is removed, found when moving) \$40.00
- email at [w4zwa@yahoo.com](mailto:w4zwa@yahoo.com) for pictures.

Want to purchase a "new" but used piece of ham equipment? Do you want to sell some gear? Browse the RARS classifieds for amateur radio equipment at <http://rars.org/classifieds.php>.

RARS members may post notices about equipment they are selling. Posts last for 30 days and are editable at any time.

Using our classifieds is a great way for buyers to search for available items and for sellers to reach a local, targeted audience.